

Patent Claims:

1 1. A synthetic resin binder for producing powder paints,
2 characterized in that it is admixed with pyrogenic oxides of
3 silicon, aluminum or titanium or mixtures thereof with primary
4 particle sizes between 5 and 65 nm.

1 2. The synthetic resin binder according to claim 1,
2 characterized in that it is admixed with pyrogenic silicic acid.

1 3. The synthetic resin binder according to claim 1 or 2,
2 characterized in that the pyrogenic oxides are surface treated.

1 4. The synthetic resin binder according to one of claims
2 1 to 3, characterized in that the primary particle size of the
3 pyrogenic additive or additives is between 7 and 40 nm.

1 5. The synthetic resin binder according to one of claims
2 1 to 4, characterized in that the pyrogenic additive or additives
3 re added in an amount of 0.05 to 10% with respect to the weight of
4 the synthetic resin binder.

1 6. The synthetic resin binder according to claim 5,
2 characterized in that the pyrogenic additive or pyrogenic additives
3 are contained in an amount of 0.25 to 2.5%, preferably 1% with
4 respect to the weight of the synthetic resin binder.

1 7. A powder paint comprised of a synthetic resin binder,
2 additives and optionally pigments and fillers, characterized in
3 that the synthetic resin binder had mixed therewith pyrogenic
4 oxides of silicon, aluminum or titanium or mixtures thereof with
5 primary particle sizes between 5 and 65 nm.

1 8. A coat or coating comprised of a powder paint
2 according to claim 7.